Attorney Docket: NEX40C/US-DC2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:	PARMA ET AL.	)	EXAMINER:
		)	
SERIAL NUMBER:	10/705,300	)	ART UNIT:
		)	
FILING DATE:	NOVEMBER 10, 2003	)	CONFIRMATION
		)	NUMBER:
TITLE:	HIGH AFFINITY NUCLEIC	)	
	ACID LIGANDS TO	)	
	LECTINS	)	

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

RESUBMITTED INFORMATION DISCLOSURE STATEMENT

Applicant calls the Examiner's attention to the patents and publications listed on the attached Form PTO-1449, copies enclosed, which may be material to examination of the above identified application.

TIME OF TRANSMITTAL

This Information Disclosure Statement is being filed under 37 CFR § 1.97(b). This Statement is filed within at least one of the following time periods:

(a) within three months of the filing date of a national application (other than a CPA under 37 CFR § 1.53(d));
(b) within three months of the date of entry of the national stage as set forth in 37 CFR § 1.491 in an international application;
(c) before the mailing of a first Office Action of the merits; or
(d) before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR § 1.114.

No fee is believed to be due in this instance. However, the undersigned hereby authorizes the charging of any fees created by the filing of this document to Deposit Account No. 19-5117.

The filing of this Information Disclosure Statement shall not be construed as an admission against interest in any manner. This listed patents and publications are believed of interest herein and consideration and citation of as interest by Examiner is respectfully requested.

Dated: 5/23/07

Respectfully submitted,

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cc: Alex Andrus, J. Harre, V. Appleby
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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE List of Information Cited by Applicant Page 1 of 3	ATTY. DOCKET NO. NEX40C/US-DC2	SERIAL NO. 10/705,300
	APPLICANT PARMA ET AL.	
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U.S. PATENT DOCUMENTS

EXAM. INITIAL		DOCUMENT NUMBER	DATE	NAME	CLS	SUB-CLS	FILE DATE
	AA						
	AB						

FOREIGN PATENT DOCUMENTS

EXAM. INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLS	SUB CLS	TRANS ?
	AC	2 183 661	06/10/1987	GB			
	AD	WO 89/06694	07/27/1989	WO			
	AE	WO 91/19813	12/26/1991	WO			
	AF	WO 92/14843	09/03/1992	WO			

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	AG	Cassels et al. (1990) *J. Biol. Chem.* 265:14127, Structure of a Streptococcal Adhesin Carbohydrate Receptor.
	AH	Cecconi et al. (1994) *J. Biol. Chem.* 269:15060, Inositol Polyanions: Non carbohydrate Inhibitors of L- and P-Selection that Block Inflammation.
	AI	DeFrees et al. (1993) *J. Am. Chem. Soc.* 115:7549, Ligand Recognition by E-Selectin: Analysis of Conformation and Activity of Synthetic Monomeric and Bivalent Sialyl Lewis X Analogs.
	AJ	Ellington & Szostak (1990) Abstracts presented at Cold Spring Harbor RNA Processing Meeting, p. 84, Selectin of RNAs with Ligand-Specific Binding Activity From Pools of Random Sequence Molecules
	AK	Foxali et al. (1992) *J. Cell. Biol.* 117:895, The Three Members of the selectin Receptor Family Recognize a Common Carbohydrate Epitope, the Sialyl Lewis^x Oligosaccharide.
	AL	Glick et al. (1991) *J. Biol. Chem.* 266:23660, Ligand Recognition by Influenza Virus: The Binding of Bivalent Sialosides.
	AM	Green et al. (1995) *Glycobiology* 5:29, Further studies of the binding specificity of the leukocyte adhesion molecule, L-sectin, towards sulphated oligosaccharides—suggestion of a link between the selection-and the integrin-mediated lymphocyte adhesion systems.
	AN	Imundo et al. (1995) *PNAS USA* 92:3019, Cystic fibrosis epithelial cells have a receptor for pathogenic bacteria on their apical surface.
	AO	Jacob et al. (1995) *Biochemistry* 34:1210, Binding of Sialyl Lewis X to E-Selectin as Measured by Fluorescence Polarization.
	AP	Joyce & Inoue (1989) *Nucleic Acids Research* 17:711, A novel technique for the rapid preparation of mutant RNAs.
	AQ	Joyce (1989) *Gene* 82:83, Amplification, mutation and selectin of catalytic RNA.
	AR	Karlsson (1989) *Annu. Rev. Biochem.* 58:309, Animal glycosphingolipids as membrane attachment sites for bacteria.

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE List of Information Cited by Applicant Page 2 of 3	ATTY. DOCKET NO. NEX40C/US-DC2	SERIAL NO. 10/705,300
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	BA	Kinzler & Vogelstein (1989) *Nucleic Acids Research* 17:3645, Whole genome PCR: application to the identification of sequences bound by gene regulatory proteins.
	BB	Kramer et al. (1974) *J. Mol. Biol.* 89:719, Evolution in vitro: Sequence and Phenotype of a Mutant RNA Resistant to Ethidium Bromide.
	BC	Lee (1992) *FASEB J.* 6:3193, Biochemistry of carbohydrate-protein interaction
	BD	Levisohn & Spiegelman (1968) *PNAS USA* 60:866, The cloning of a self-replicating RNA molecule.
	BE	Levisohn & Spiegelman (1969) *PNAS USA* 63:805, Further Extracellular Darwinian Experiments with Replicating RNA Molecules: Diverse Variants Isolated Under Different Selective Conditions.
	BF	Lucas et al. (1994) *Science* 263:814, Mapping the Lectin-Like Activity of Tumor Necrosis Factor.
	BG	Ma et al. (1993) *Circulation* 88:649, Monoclonal Antibody to L-Selection Attenuates Neutrophil Accumulation and Potects Ischemic Reperfused Cat Myocardium.
	BH	Martens et al. (1995) *J. Biol. Chem.* 270:21129, Peptides Which Bind to E-selectin and Block Neutrophil Adhesion
	BI	Mihelcic et al. (1994) *Blood* 84:2322, Inhibition of Leukocyte L-Selectin Function With Monoclonal Antibody Attenuates Reperfusion Injury to the Rabbit Ear
	BJ	Monsigny et al. (1979) *Eur. J. Biochem.* 98:39, Properties of Succinylated Wheat-Germ Agglutinin
	BK	Mulligan et al. (1992) *J. Clin. Invest.* 90:1600, Neutrophil-dependent Acute Lung Injury
	BL	Mulligan et al. (1993) *J. Immunol.* 151:6410 Protective Effects of Selectin Chimeras in Neutrophil-Mediated Lung Injury
	BM	Mulligan et al. (1993) *J. Exp. Med.* 178:623, Protective Effects of Sialylated Oligosaccharides in Immune Complex-induced Acute Lung Injury
	BN	Mulligan et al. (1993) *Nature* 364:149, Protective effects of oligosaccharides in P-selectin-dependent lung injury
	BO	Mulligan et al. (1994) *J. Immunol.* 152:832, Requirements for L-Selectin in Neutrophil-Mediated Lung Injury in Rats.
	BP	Nagata & Burger (1974) *J. Biol. Chem.* 249:3116, Wheat Germ Agglutinin: Molecular Characteristics and Specificity for Sugar Bindings
	BQ	Nelson et al. (1993) *Blood* 82:3253, Heparin Oligosaccharides Bind L-and P-Selectin and Inhibit Acute Inflammation
	BR	Nelson et al. (1993) *J. Clin. Invest.* 91:1157, Higher-Affinity Oligosaccharide Ligands for E-Selectin
	BS	Oliphant et al. (1986) *Gene* 44:177, Cloning of random-sequence oligodcoxynucleotides.
	BT	Oliphant & Struhl (1987) *Methods in Enzymology* 155:568, The Use of Random-Sequence Oligonucleotides for Determining Consensus Sequences
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	CB	5,459,015	10/17/95	Janjic et al.			
	CC	5,472,841	12/05/95	Jayasena et al.			
	CD	5,475,096	12/12/95	Gold et al.			
	CE	5,476,766	12/19/95	Gold et al.			
	CF	5,484,891	01/16/96	Lasky et al.			
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	CR	6,001,988	12/17/99	Parma et al.			

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	DA	Oliphant & Struhl (1988) *Nucleic Acids Research* 16:7673, Defining the consensus sequences of E.coli promoter elements by random selection
	DB	Oliphant et al. (1989) *Mol. Cell. Biol.* 9:2944, Defining the Sequence Specificity of DNA-Binding Proteins by Selecting Binding Sites from Random-Sequence Oligonucleotides: Analysis of Yeast GCN4 Protein
	DC	Orlandi et al. (1992) *J. Cell. Biol.* 116:901, A Malaria Invasion Receptor, the 175-Kilodalton Erythrocyte Binding Antigen of Plasmodium falciparum Recognizes the Terminal Neu5Ac(a2-3) Gal-Sequences of Glycophorin A.
	DD	Petri (1991) *ASM News* 57:299, Invasive Amebiasis and the Galactose-Specific Lectin of Entamoeba histolytica
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	DA	Phillips et al. (1990) *Science* 250:1130, ELAM-1 Mediates Cell Adhesion by Recognition of a Carbohydrate Ligand, Sialyl-Le^x
	DB	Robertson & Joyce (1990) *Nature* 344:467, Selection in vitro of an RNA enzyme that specifically cleaves single-stranded DNA
	DC	Saitoh et al. (1991) *FEBS Lett.* 282:385, Identification of glycolipid receptors for Helicobacter pylori by TLC-immunostaining.
	DD	Seekamp et al. (1991) *Amer. J. Pathol.* 144:592, Role of Selectins in Local and Remote Tissue Injury following Ischemia and Reperfusion
	DE	Sherblom et al. (1988) *J. Biol. Chem.* 263:5418, The Lectin-like Interaction between Recombinant Tumor Necrosis Factor and Uromodulin
	DF	Singleton & Sainsbury (1987) *Dictionary of Microbiol. & Mol. Biol. (2nd ed.)*, John Wiley & Sons, NY, p. 493
	DG	Szostak (1988) Structure and Activity of Ribozymes, *Redesigning the Molecules of Life (S.A. Benner ed.)*, Springer-Verlag Berlin Heidelberg, pp. 87-113
	DH	Thiesen & Bach (1990) *Nucleic Acids Research* 18:3203, Target Detection Assay (TDA): a versatile procedure to determine DNA binding sites as demonstrated on SP1 protein
	DI	Todderud et al. (1992) *J. Leukocyte Biol.* 52:85, PMN binding to P-selectin is inhibited by sulfatide
	DJ	Tyrrell et al. (1991) *PNAS USA* 88:10372, Structural requirements for the carbohydrate ligand of E-selection
	DK	Van Landschoot et al. (1977) *Eur. J. Biochem.* 79:275 Binding of 4-Methylumbelliferyl N-Acetyl-Chitooligosaccharides to Wheat Germ Agglutinin
	DL	Watowich et al. (1994) *Structure* 2:719, Crystal structures of influenza virus hemmagglutinin in complex with high-affinity receptor analogs
	DM	Watson et al. (1990) *J. Cell. Biol.* 110:2221, A Homing Receptor-IgG Chimera as a Probe for Adhesive Ligands of Lymph Node High Endothelial Venules
	DN	Watson et al. (1991) *Nature* 349:164, Neutrophil influx into an inflammatory site inhibited by a soluble homing receptor-IgG chimaera
	DO	Winn et al. (1993) *J. Clin. Invest.* 92:2042, Anti-P-Selectin Monoclonal Antibody Attenuates Reperfusion Injury to the Rabbit Ear
	DP	Wright & Jaeger (1993) *J. Mol. Biol.* 232:620, Crystallographic Refinement and Structure Analysis of the Complex of Wheat Germ Agglutinin with bivalent Sialoglycopeptide from Glycophorin A
	DQ	Yednock et al. (1987) *J. Cell. Biol.* 104:713, Phosphomannosyl-derivatized Beads Detect a Receptor Involved in Lymphocyte Homing
	DR	Yuen et al. (1994) *J. Biol. Chem.* 269:1595, Sulfated Blood Group Lewis
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